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No. 44] NEW DELHI, SATURDAY, NOVEMBER 3, 1979 (KARTIKA 12, 1901)

इस भाग में भिन्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके Separate paging is given to this Part in order that it may be filed as a separate compilation.

# भाग III—खण्ड 2 PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस Notifications and Notices issued by the Patent Office relating to Patents and Designs

# THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 3rd November 1979

# APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

The 27th September, 1979

1017/Cal/79. Simex-India. Solid state cable fault locator (operated by 3 mos. 1.5 V dry cell in corporated with vibrator unit).

1018/Cal/79. Kubota Limited. Method of forming a socket end on a plastic pipe and a molding device for use of the method.

1019/Cal/79. Albany International Corporation Method and apparatus for distribution of biologically active chemicals.

1020/Cal/79. Hitchiner Manufacturing Co., Inc. Metal casting.

1021/Cal/79. Interstate Equipment (India) Private Limited. Interstate continuous monocable tramway.

The 3rd October, 1979

1022/Cal/79. Lucas Industries Limited. A starting aid for a combustion engine. (October 3, 1978).

1023/Cal/79. Societe 1. Etudes Scientifiques ET Industrielles DE L'Ile-DE-France. N-(1-methyl-2-pyrrolidinyl methyl)-2. 3-dimethoxy-5-methylsulfamoyl benzamide and its derivatives, methods of preparing them and their application to the treatment of troubles of the lower part of the urinory tract.

# APPLICATION FOR PATENT'S FILED AT THE (MADRAS BRANCH)

The 17th September, 1979

175/Mas/79. S. T. Srinivasan. An Improved Delivery Device.

The 19th September, 1979

176/Mas/79, T. Krishnan, A Grid Paraboloid Antenna.

177/Mus79. Lucas Industries Ltd, Improvements in and Relating to Disc Brakes, (September 25, 1978).

178/Mas/79. Lucas Industries Ltd. Improvements in Spicading Disc Brake For Vehicles. (September 26, 1978).

179/Mas/79. Lucas Industries Ltd. Improvements in Spreading Disc Brake for Vehicles, (September 26, 1978).

The 20th September, 1979

180/Mas/79. J.V.S. Kumar. Manufacture of or Relating to Groudnut Coffee Powder.

The 24th September, 1979

181/Mas/79. Indian Institute of Technology. A Method of Manufacture of Carbon Pellets from Carbonaceous Waste Material and Carbon Pellets Manufactured by the said Method.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The clasifications given below in respect of each specification are according to Indian Classification and International Classification."

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Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 163B<sub>4</sub>. 147059.

Int. Cl. F03c. 3/00

VANE TYPE HYDRAULIC ROTARY MACHINE.

Applicant: ISHIKAWAJIMA-HARUMA JUKOGYU KABUSHIKI KAISHA, OF NO 2-1, 2-CHOME, OTE-MACHI, CHIYODA-KU, TOKYO-TO, JAPAN,

Inventors: KAZUO SHINODA AND KOZO YAMA-MOTO,

Application No. 1884/Cal/76 filed October 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

#### 3 Claims.

A vane-type hydraulic rotary machine comprising a rotor provided with a plurality of radial slots rotatably mounted within a cam track having major-axis and minor-axis surtaces, a plurality of vanes each retractably fitted within a slot in the rotor, the exterior end of each vane projecting from the slot and making contact with the cam track whereby two zones of pressure are created within the cam track on either surface of each vane, and a communication passage provided in the rotor from the base of each slot to the exterior circumference of the rotor whereby during intation of the rotor pressure from the zone acting on the rear surface of the vane is transmitted to and facts on the interior end of the vane located in the base of the slot.

Comp. Specn. 9 pages. Drags, 1 sheet.

CLASS 206E.

147060.

Int. Cl H03K 17/56, H01I. 9/00.

MULTI-LAYER SEMICONDUCTOR SWITCHING DEVICE AND METHOD FOR MAKING SAME.

Applicant: WAESTINGHOUSE ELECTRIC CORPORA-TION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor: CHANG KWEI CHU,

Application No. 1993/Cal/76 filed November 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims.

A multi-layer semiconductor switching device comprising a body of semiconductor material and contacting means for making thermal and electrical contact to said body; said contact means comprising a metal cathode electrode; said body comprising an emitter zone of a first type of conductivity disposed along a surface portion in contact with said metal cathode electrode, abse zone of a second type of conductivity disposed in said body adjacent to said emitter zone and forming a PN junction with said emitter zone, said emitter zone having a central portion and a peripheral portion surface into said body from said metal cathode electrode to a first level of said PN junction, said central portion extending into said body from said metal cathode electrode to a second level of said PN junction, said second level extending deeper into said body than said first level, and said central portion having a higher conductivity than said peripheral portion.

Comp. Speen, 15 pages. Drags. 3 sheets,

CLASS 107G & K.

147061.

Int Cl. F01p 3/14.

IMPROVEMENTS IN OR RELATING TO A VALVE COOLING AND/OR LUBRICATING SYSTEM.

Applicant: SOCIETE D'ETUDES DE MACHINES THERMIQUES-S.E.M.T.—, OF 2, QUAI DE SEINE, 93 202 SAINT-DENIS, FRANCE.

Inventor: ALBERT HAUG.

Application No. 2025/Cal/76 filed November 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

Valve cooling and/or lubricating system, in particular for internal combustion engine valves of the mushroom type cooled by fluid circulation, of the type comprising a fluid intake and an inlet orifice provided in the valve, characterized in that it comprises a movable intermedicate connecting element mounted between the said fluid intake and the said inlet orifice ensuring continuous circulation of the fluid during the reciprocating motion of the said valve.

Comp. Specn. 14 pages. Drags. 2 sheets.

CLASS 4B.

147062.

Int. Cl. B64c 19/00.

DEVICE FOR SUSPENSION OF AIRCRAFT MODEL IN WIND TUNNEL.

Applicant & Inventor: GENNADY ALEXEEVICH BULYCHEV. ZHUKOVSKY MOSKOVSKOI OBLASTI, ULITSA DUGINA, 27, KV 73, USSR, (2) ANATOLY VLADIMIROVICH BYKOVSKY, ZHYKOVSKY MOSKOVSKOI OBLASTI GAGARINA. 26, KV 70, USSR, (3) STANISLAV PAVLOVICH MACHIGIN, ZHUKOVSKY MOSKOVSKOI OBLASTI, ULITSA NABEREZHNAYA TSIOLKOVSKOGO, 20 KV 53 USSR AND (4) KONSTANTIN SERGEEVICH STRELOKOV, ZHUKOVSKY MOSKOVSKOI OBLASTI, ULITSA PUSHKINA, 12 KV 1, USSR

Application No. 258/Cal/77 filed February 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 13 Claims,

A device for suspension of an aircraft model in a wind tunnel made in the form of a system of ropes with means for tensioning the same; one ends of these ropes are fastened to the wind tunnel housing through elastic elements while the other ends thereof are coupled with the model so that the latter performs a "free flight" during the tests; the system of ropes coupled with the model includes at least one rope arranged in a horizontal plane and at least two ropes arranged in a vertical plane and coupled with the model at points located respectively ahead and behind its centre of gravity.

Comp. Specn. 12 pages. Drags. 3 sheets.

CLASS 68E1 & E2.

147063.

Int. Cl. H01f 27/00.

THREE-PHASE TRANSFORMER FOR FEEDING POWER TO SEMICONDUCTOR RECTIFIER.

Applicant: PROIZVODSTVENNOE OBIEDINENIE "URALELEKTROTYAZHMASH", OF D, 40 SVERD-LOVSK, USSR.

Inventor: LJUDMILA MIKHAILOVNA PESTRYAEVA,

Application No. 506/Cal/77 filed April 5, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims.

A three phase transformer for feeding power to a semiconductor bridge rectifier, wherein one of the three-phase windings, arranged in a casing and mounted on a three-legcore, is connected to a power source, whereas another threephase winding also mounted on the core, composed of twoportion arranged one above the other with identical connection of the phases (A, B and C), phase lead-ins and leadouts of one portion arranged on the side of the core and phase lead-ins and lead-outs of the other portion being arranged on the other side of the core inside the casing, the said two portions being arranged not only one above the other but at the same level, the like line terminals of said portions being interconnected by a jumper and coupled to anode and cathode groups of the rectifier.

Comp. Specn. 6 pages. Drags. 1 sheet.

CLASS 107H.

147064.

Int. Cl. F02m 37/12.

TIMING CONTROL FOR FUEL INJECTION PUMP FOR RETARDING INJECTION TIMING.

Applicant: STANADYNE, INC., OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor: JOSEPH EDWARD SWIFT,

Application No. 684/Cal/77 filed May 9, 1977.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

In a fuel injection pump for an internal combustion engine, pump plunger means providing sequential pumping strokes, means for changing the timing of the pumping strokes comprising a cylinder, an advance piston movable in said cylinder, means interconnecting said advance piston with said pump plunger means to advance and to retard the relative timing of the pumping strokes, a source of fluid having a pressure correlated with engine speed, a first hydraulic chamber at one end of said advance piston connected to said source of fluid to move the advance piston to advance the timing of the pumping strokes in response to increased engine speed, means for controlling the delivery of fluid from said source to said first hydraulic chamber, said means including means for preventing the delivery of fluid to said first hydraulic chamber until a predetermined speed is

reached thereby to retard the timing of the pumping strokes during lengthe cranking, movable stop means engageable with said advance piston, a second hydraulic chamber for receiving fluid from said source to urge said movable stop toward said advance piston, and means providing continuous communication between said fluid source and said second hydraulic chamber whereby said movable stop limits the maximum retard position of said advance piston to a lesser amount as soon as the engine starts.

Comp. Speen, 11 pages. Drags, 1 sheet.

CLASS 146-D1.

147065.

Int. Cl. G02b 27/00.

OPTICAL DEVICE.

Applicant & Inventor: RICHARD PAUL EITEL, 2711 TAYLOR DRIVE EVERETT, WASHINGTON 98203, UNITED STATES OF AMERICA.

Application No. 775/Cal/77 filed May 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

#### 9 Claims.

An optical device for aiding an individual wearing the device to concentrate his vision on an object, said device comprising:

a head mount having a horizontal see-through zone with clearly defined generally U-shaped ends spaced apart horizontally about three inches to approximate the pupillary distance of the viewer and extending over a vertical distance sufficient for vertical proximity expansion, said zone having a vertical width through most of its horizontal length as great as at said outwardly curved ends, and

means for positioning said head mount with said zone centered in front of the viewer's eyes at a distance thereform such that said outwardly curved ends horizontally approach each other by second degree fusion and vertically elongate by vertical proximity expansion whereby said ends are seen as a generally circular image when the viewer looks through said zone.

Comp. Specn. 10 pages. Drags. 1 sheet.

CLASS 105-C,

147066,

Int, Cl G01d 7/00; 9/00.

APPARATUS PROVIDED WITH A HOLIOW ROTOR.

Applicant: ULTRA CENTRIFUGE NEDERLAND N.V. OF SCHEVENINGSEWEG 44, THE HAUGE, THE NETHERLANDS,

Inventor: JOHANNES LOS, JAAP WIND AND FREDERIK HERMAN THEYSE.

Application No. 779/Cal/77 filed May 24, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta,

#### 17 Claims.

Apparatus comprising at least one rotor, arranged in a housing, within which a flowing medium moves in a circuit in such a way that it is first subjected to an increase in pressure and subsequently to a decrease in pressure, which pressure changes are alternated by heat-exchanging changes of state, one heat exchange of which having a heating effect and one heat exchange having a cooling effect on the aforementioned medium, CHARACTERIZED in that the rotor consists of hollow vessel inside which the medium at one end is brought from a point near the axis of rotation to the highest pressure as a result of centrifugal action, whereupon it is conveyed in heat-exchanging contact with the inside wall of the vessel to the other end, where it expands centrinetally to the original pressure near the axis of rotation, and in that part of the outer wall of the vessel has a surface of such a nature that heat exchange with the wall of the housing is favoured by radiation.

Comp. Speen, 14 pages. Drags. 2 sheets.

CLASS 164-A.

147067.

Int. Cl. C02c 1/00.

AN APPARATUS FOR CONTACTING A GAS CONTAINING OXYGEN WITH A LIQUID, FOR AFRATING SEWAGE.

Applicant: DHV RAADGEVEND INGENIEURSBUREAU BV, OF I AAN 1914 NO. 35, AMERSFOORT, THE NETHERLANDS.

Inventor: DIRK TEN HOVE, CHRISTOPH MARCUS ENGELSMAN AND JOHANNES BERNHARDUS MARIA WIGGERS.

Application No. 18/Cal/78 filed January 5, 1978.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

An apparatus for contacting a gas containing oxygen with a liquid, for aerating sewage, comprising a surface aerator rotatable about a vertical axis, and active substantially at the level of the liquid surface during its operation and a driving means coupled with said aerator, characterized in that a cap has been placed over the surface aerator, having a downwardly directed circumferential side wall which terminates, during operation, near or below the liquid surface and having at least one gas inlet opening.

Comp. Specn. 8 pages. Drags. 1 sheet,

CLASS 154-H.

147068.

Int. Cl. G03f 15/00,

A WIPER ARRANGEMENT FOR PRINTING STATION OF A SILK SCREEN PRINTING MACHINE.

Applicant: FRITZ BUSER AG. MASCHINENFABRIK OF WILER B. UTZENSTORF, SWITZERLAND.

Inventor: HENRICH VOEGELIN.

Application No. 290/Del/77 filed October 4, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Brauch

#### 7 Claims.

A wiper arrangement for a printing station of a silk screen printing machine built into a silk screen printing machine having a wiper mounting and a wiper mounted on the printing material supply sides so that they may be raised and lowered by a number of pressure activated thrust piston drives distributed over the printing area and fixed to a wiper support at the printing station, characterized in that the wiper mounting and the thrust piston drives are at least partly flexibly coupled with each other.

Comp. Specn. 11 pages. Drags. 2 sheets,

CLASS 63-E.

147069.

Int. Cl. H02k 9/00,

A COMBINATION OF A VEHICLE AND AN ELECTRICAL POWER GENERATING SET.

Applicant; CONTRAVES A.G., OF SCHAFFHAUSERS-TRASSE 580, 8052 ZURICH, SYITZERLAND.

Inventor: HELMUT MERKLE.

Application No. 2243/Col/76 filed December 22, 1976.

Convention date October 22, 1976 (44091/1976) (U.K.).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 13 Claims.

A combination of a vehicle and an electrical power generating set, the generating set comprising an internal combustion engine and an electrical generator coupled for being

driven by the engine, said vehicle having a chamber for receiving the generating set therein and said combination including cooling means for providing respective, substantially separate flows of cooling air to the generating set and the engine, the cooling means comprising:—

a first air inlet for being arranged so that it faces forwards in relation to the forward direction of movement of the vehicle and is above the generating set

duct means leading from said first air inlet to said engine,

means for drawing engine cooling air through said first air inlet and for causing this air to flow through said duct means to the engine,

there being, in the floor of said chamber at a position spaced away from said first air inlet, an opening for the exit from the chamber of said engine cooling air,

a second oir inlet, which is spaced away from said first air inlet and from said opening in the floor of said chamber, which faces forwards in relation to said forward direction of movement of the vehicle, and which communicates with said chamber,

means for drawing generator cooling air through the second air inlet and causing this air to flow past the generator,

there being, at the rear of said chamber at a position spaced away from said first and second air inlets, an opening for the exit from said chamber of said generator cooling air.

Comp. Speen. 16 pages.

Drags. 2 sheets,

CLASS 29-A&D

147070.

Int. Cl. G06c 13/02.

STORAGE DEVICE FOR COMPUTERS.

Applicants & Inventors: (1) VALERY FEDOROVICH GUSEV, ULITSA KARBYSHEVA, 13-A, KV.35, KAZAN, USSR. (2) GENNADY NIKOLAEVICH IVANOV, ULITSA DEKABRISTOV, 184-A, KV.22, KAZAN, USSR, (3) GENRIKH ISAEVICII KRENGFL, ULITSA IBRAGIMOVA, 45, KV 49, KAZAN, USSR. (4) MANSUR ZAKIROVICH SHAGIVALEEV, ULITSA KARBYSHEVA, 17, KV, 75, KAZAN, USSR. (5) AZAT USMANOVICH YARMUKHAMETOV ULITSA ADELYA KUTUYA, 12, KV. 23, KAZAN, USSR, (6) VLADIMIR YAKOVLEVICH KONTARFV, PLOSCHAD IUNOSTI, 4, KV, 3, MOSCOW, USSR, (7) IURY IVANOVICH SCHETININ, 103536, KORPUS 503, KV, 106, MOSCOW, USSR AND (8) VYACHESLAV YAKOVLEVICH KREMLEV, BEREZOVAYA ALIFYA, KORPUS 423, KV, 81, MOSCOW, USSR.

Application No. 865/Cal/77 filed June 10, 1977.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta,

#### 3 Claims

A storage device for computers comprising two counters whose data inputs are inputs of said storage device and whose control inputs are connected to a control unit, the output of one counter being connected to one data input of a switch, and the output of the other counter being connected to another data input of the switch and to an address input of one memory unit whose data input is connected to a data input of the other memory unit and to an input data bus group, an address input of the other memory unit being connected to the output of the switch whose control inputs are connected, respectively, to the control unit and to a clock pulse oscillator whose output is connected to the control unit, the output of each memory unit being connected to a data input of a respective NAND gate group, a control input of cach NAND gate groun and control inputs of the memory units being connected to the control unit, and the outputs of each NAND gate group being connected to a respective output data bus group.

Comp. Specn. 9 pages. Drugs. 2 sheets.

CLASS 39-O.

147071.

Int. Cl.-C01b 33/32.

AN IMPROVED PROCESS FOR THE PREPARATION OF PURE SODIUM OR POTASSIUM SILICATE SOLUTIONS FROM CLAY.

Applicant: COUNCIL OF SCIENTIFIC AND INDUST-RIAL RESEARCH RAFI MARG, NEW DELHI-1, INDIA.

Inventors: MADHAB CHANDRA DAS AND SAMA-RENDRA NATH DUTTA.

Application No. 222/Del/77 filed September 3, 1977.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 2 Claims.

A process for preparation of pure sodium of potassium silicate, wherein the filter cake obtained by process described herein comprise Sio2 is digested with sulphuric acid, filtered and washed free of acid with water and then treated with calculated amount of sodium or potassium hydroxide in water solution at boiling temperature to obtain pure sodium or potassium silicate solution.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 32Fsc & 40F.

147072.

Int. Cl.-C07c 37/22, 39/06.

A METHOD OF PURIFYING 3, 5-XYLENOL.

Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors: LEENDERT HUIZER, DIRK JAN VAN NAMEN AND PIETER JOHN DANIEL ORANJE.

Application No. 84/Del/78 filed January 31, 1978.

Convention date February 2, 1977/(04201/77) U.K.

Appropriate Office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Delhi Branch.

#### 4 Claims. No drawings.

A method of purifying 3, 5-xylenol containing residues of free halogen or halogen-containing compounds which has been prepared by heating isophorone at a temperature from 450° to 650° in the presence of a halogen of atomic number at least 17, or an organic compound containing such a halogen, which method comprises contacting the 3, 5-xylenol with from 0.01 to 5% by weight, based on the weight of 3, 5-xylenol, of at least one metal in finely divided or powered form, chosen from the group magnesium, zinc cadmium or the group iron, cobalt, nickel and separating the 3, 5-xylenol from the metal.

Comp. Specn. 6 Pages.

Drg. Nil.

Class 172 (D4+E).

147073.

I.C. B 65 h 54/74.

TRAVERSE GEAR BOX ASSEMBLY FORUPTWISTER WINDING MACHINE.

Applicant: BHOGILAL HIRALAL BACHKANIWALA HIRALAL COLONY, ASHWANI KUMAR ROAD. SURAT 395003.

Application No. 5/Bom/76. Filed January 7, 1976.

Comp. Specn. left 22-9-76.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Bombay.

#### 14 Claims.

- 1. A traverse gear box assembly for uptwister winding machine comprising a combination of;
- (i) a frame for uptwister winding machine carrying a series of spindle assemblies each carrying its own brake lever,

and to one end of said frame is provided a twist lever and to gear box carrying a worm meshed with a worm wheel which drives a pair of longitudinally extending traverse shafts, each carrying a series of bakelite drums and a traverse pipe carrying a series of ceramic yarn guides, said drums and a yarn guides, registering with respective spindle assemblies, and the other end of one of said traverse shaft carrying a pinion meshed with gear train of traverse gear assembly fitted at the other end of said frame which also carries an electric motor fitted to a bracket mounted on a lead screw operated by a hand wheel and a sprocket and chain wheel drive for adjusting tension on endless belt driving simultaneously said series of spindles through firction drive and driving the vertical shaft of twist gear box, and the other end of the other of said traverse shaft being fitted within a bearing, and in that the one and of said traverse pipes is connected to a left and right hand triangular brackets of traverse gear box assmbly;

- (ii) said traverse gear box assembly carrying a gear train, a cam wheel fitted on a central shaft and a left hand and right hand triangular bracket assembly, the pins of which work within said cam wheel;
- (iii) each of said triangular bracket assmebly comprising of (a) a triangular bracket, (b) a fork bracket, and (c) bearing bracket carrying a pin and in that each of said trespective pins of left and right hand triangular bracket assembly are fitted within a cam wheel of traverse gear box for giving to and fro motion for said traverse pipes for guiding yarn wound on twister cheeses; the arrangement being such that the endless belt driven by said electric motor drive simultaneously of each of said series of uptwister spindles and also drives the vertical shaft of twist gear box and though one end of said traverse shafts, the gear train in the traverse gear box it driven which drives the cam wheel and the pins of left and right hand triangular brackets working within said cam wheel give a to and fro motion for said traverse pipes for guiding uniformly the yarn wound on uptwister cheeses and in that each of said uptwister spindles are spinning at over 9000 RPM by friction contact of one face of said endless belt and in that any one of said spindles is stopped by operating brake of respective spindles and in that the twist gear box has gear train adapted for a variety of traverse shaft speeds which determines the twist inserted ranging from 41 TPM (Twist Per Minute) to 3081 TPM.

CLASS: 5C, 92 I.

147074.

I.C. A01 d 41/00.

"IMPROVEMENTS IN OR RELATING TO THRESHERS".

Applicants Name: JYOTI LIMITED, INDUSTRIAL AREA, POST OFFICE CHEMICAL INDUSTRIES, BARODA-390 003, STATE OF GUJARAT, INDIA.

Inventors Name: (1) KANNAIYALAL MANGALDAS PATEL AND (2) GORDHANBHAI CHATURBHAI PATEL.

Application No. 161/BOM/1976. Filed May 27th, 1976.

Comp. Specn. left 20-7-77.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Bombay.

#### 12 Claims.

1. A threshing machine, capable of threshing, winnowing, sieving and bagging a variety of farm crops characterised in that it comprises of (1) a plurality of cylindrical threshing chambers having concaves mounted in series with each other each of the said threshing chamber having its own feeding hopper; a common rotating shaft disposed in the centre between the said threshing chambers, the said rotating shaft deriving power from a central pulley along its length, a plurality of beaters mounted on the said rotating shaft, the said beaters being disposed within each of the said threshing chamber, the said concaves providing openings from each of the threshing chamber into a common winnowing chamber disposed below the said threshing chambers; said winnowing chambers being provided with a suction fan to suck the chaff and light material from the threshed grain; a sieving unitdisposed below the winnowing chamber to collect the larger refuse material from the threshed grain; a blower fan disposed below the sieving

unit to blow away the refuse material from the grain; a belt and pulley arrangement comprising a plurality of pulleys attached to the said rotating threshing chamber, suction fans in the winnowing chamber, sieving unit and blower fans and the bagging unit and the plurality of belts there between such that power is derived from the power take-off shaft of a tractor which is connected by means of a telescopic shaft and universal joints to the threshing counter shaft the said threshing counter shaft being connected by means of a pulley and belt to the central pulley on the rotating shaft of the threshing chamber.

Provisional Specification-5 pages;

Complete Specification-12 pages and 4 Drawing sheets.

CLASS 39F & 39I & 39N & 40F.

147075.

Int. Cl. C01c 3.'08.

A PROCESS FOR THE TREATMENT OF CYANIDE BASED WASTE FOR THE RECOVERY OF METALLIC CYANIDES THEREFROM.

Applicant: SHRI A.M.M. MURUGAPPA CHITTIAR RESEARCH CENTRE, (CHEMICALS DIVISION), A. M. M. CHARLTIES TRUST BUILDING, M.T.H ROAD AMBATTUR, MADRAS-600053, TAMIL NADU.

Inventors: ANAPATHUR SRINIVASAN GIRIDHARAN & SRINIVASA PANCHAPAKESAN.

Application No. 202/Mas/76 filed October, 21, 1976.

Complete Specification Left January 21, 1978.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 3 Claims.

A process for the treatment of cyanide based waste for the recovery of metallic cyanides therefrom comprising the steps of dissolving the said waste in water; removing the undissolved matter therefrom; treating the resulting solution with metallic salts as herein described so as to precipitate the corresponding metallic cyanide in predetermined PH conditions such as herein described; and separating the metallic cyanide precipitate from its mother liquor.

(Pro.-6 pages; Com.-8 pages;)

CLASS 36A1, & 127I & 107G.

147076.

Int. Cl. F04d 17/18.

A DEVICE FOR DEVELOPING UNIDIRECTIONAL FORCE.

Applicant & Inventor: THIRUVENGADASWAMY VEN-KATACHALAM. 12-A, MARKET FEEDER ROAD, RANI-PET, NORTH ARCOT DISTRICT, TAMIL NADU.

Application No. 218/Mas/76 filed November 18, 1976.

Complete Specification left November 16, 1977.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Madras Branch.

#### 7 Claims.

A device for developing unidirectional force comprising an impeller and a casing therefor, the impeller being connected to a drive means and adapted to rotate in close tolerance with the inner surface of the easing, the easing being provided with a fluid entry slit or opening at a position away from the centre thereof, the easing being further provided with a fluid exit hole or opening at the side wall thereof, a portion of the casing wall being made eccentric to facilitate fluid exist from the easing, the arc distance between the said fluid entry opening and said fluid exist hole being preferably within 180°, so that the fluid entering through the said entry slit escapes out of the casing through the said exist hole after exerting a centrifugal force on the periphery of the easing through the said arc distance between the fluid entry opening and the fluid exist

hole; and said casing being provided with means so as to enable the device to be fitted to any desired object which is to be subjected to movement.

(Prov.-3 pages; Comp.-9 pages; Drwgs.-one sheet).

CLASS 172E.

147077.

I.C.-D01h 13/04.

A ROTARY TRAVERSE DRUM.

Name of the Applicant & Inventor: CHUTTRANJAN GORDHANDAS IANI, 1298 KANJI DIWAN LANE, RAJA MEHTA STREET, KALUPUR, AHMEDABAD-380 001, GUJARAT STATE, INDIA.

Application No. 426/Bom/1976 filed Dec. 3rd 1976.

Comp. Speen, left 28.12.77,

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay.

#### 3 Claims.

A rotary traverse drum made by casting from ferrous/non-ferrous metals or alloys thereof, outer surface of said drum having yarn guiding groove on its outer surface and an inner bore, inside wall of the drum being reduced during casting by having projections on core used in die for making the bore, inserts of a material harder than the metal or alloy used, such as ceramics, being inserted at yarn crossing or yarn friction regions in the grooves on the outer surface of the drum. flanges and/or bushes on both sides of the drum and means for fastening the drum to shaft on a winding machine

Provisional Specification-5 pages.

Complete Specification-8 pages; and 1 Drawing sheet.

CI.ASS 132-A2 & C.

147078.

Int. Cl. B011 7/30.

A DEVICE FOR MECHANICALLY MIXING OF SUBSTANCE IN A CONTAINER,

Applicant: NAUTAMIX PATENT AG. OF 12, ALPENSTRASSE ZUG, SWITZERLAND.

Inventor: MR CONSTANT JOHAN NAUTA.

Application No. 428/Bom/76 filed December 7, 1976.

Convention date September 23, 1976 (39580/1976 U.K.)

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay.

## 21 Claims,

A device for mechanically mixing of substance in a container the device comprising a worm which is mounted to be rotatable about its own axis for mechanically operating on the substance, and which worm is provided with one or more elements which is or are disposed at the radial periphery of the worm with respect to its own axis and which is or are operable to move substance at an inner wall of a container when the device is in use with the worm rotating about its own axis at the inner wall of the container.

Complete specification pages 7.

Drawings pages 3.

CLASS 49-H, 99-A.

147079.

Int. Cl.-A47j 27/00.

AUTOMATIC RICE COOKER.

Applicant & Inventor: KUMAR BALRAM BHATIA C/O. BLUE STFEI. ENGINFERS PVT. LTD., 144, A TO Z INDUSTRIAL ESTATE, FERGUSON ROAD, LOWER PAREL. BOMBAY-400 013, MAHARASHTRA, INDIA.

Application No. 286/Born/1977 filed Sept 26, 1977.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay.

#### 2 Claims.

An automatic rice-cooker comprising a cooking vessel being housed within an outer jacket with a leak-proof cover and/or an outer lid, a switch being provided at a handle of the cooker or at the top outer lid the switch being connected in series with a heating element situated below the said cooking vessel, the said switch being made on at the starting of the operation and the said heating element being disconnected by steam pressure at 100 degree C. by means of a cap provided at the junction of the vessel and the cover pushing a lever to press a plunger or by means of a piston housed isside the leak-proof cover or by bi-metal thermal arrangement being disconnected at 100 degree C.

Compule'e specification pages--8, Drawing sheets--2.

CLASS 11C & 82.

147080.

I.C. A01k 41/00.

HATCHERY EQUIPMENT FOR FISH EGGS.

Name of the Applicants TARAPOREVALA MARINE BIOLOGICAL RESEARCH STATION, NETAJI SUBHASH ROAD, BOMBAY-400 002, STATE OF MAHARASHTRA, INDIA.

Name of Inventor: (1) GIRISH ANANTACHARYA SHIRGUR

Application No. 299/Bom/1977 filed Oct. 15, 1977.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay.

#### 6 Claims,

A linear hatchery equipment for the hatching of fish eggs, comprising a bin divided anto two or more compartments, each of said compartments adapted to contain three within one or more perforated container, the said perforated containers being provided with a perforated base ring at the bottom, a perforated plunger lid slidably mounted on a bar within said perforated container; lactching means for latching the plunger-lid at predetermined intervals along the said bar the said compartments in the linear hatch bin being provided with afferent and efferent pipes inserted on said compartments, commensurate with the number of perforated containers adapted to be held within each of said compartments; the arrangement being such that the fish eggs required to be hatched are placed within the said perforated container; the perforated plunger-lid being adjusted over the eggs along with the said solid bar and water being made to circulate within the said compartment being led in through the afferent pipes and evacuated through the efferent pipes.

(Complete specification 12 pages and 2 drawing sheets).

CLASS 109 & 142 & 178.

147081.

Int. Cl.-B28d 5/00.

## BRILLIONTIZED STEP CUT STONE.

Applicant & Inventor: HENRY GROSSBARD, OF 552 BEACH 132ND STREET, BELLIE HARBOR, NEW YORK 11694, UNITED STATES OF AMERICA.

Application No. 508/Cal/77 filed April 5, 1977,

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutto

#### 14 Claims,

A brilliantized step-cut diamond having; straight edged polygonal shaped girdle with girdle facets; a crown having at least a girdle break, a table break, and a table; and a pyramidal base having a plurality of ridges at least girdle break, a culet break and a culet, at least one of the breaks of the crown being cut with triangularly shaped facets.

Comp. Specn. 10 Pages.

Drg 2 sheets.

CLASS 32F2c & 55E4.

147082.

Int. Cl.-C07c 85/02, 91/00

A PROCESS FOR THE PRODUCTION OF [1, I-DIT-HIEN-(3)-YL-(1)-PROPEN-3-(YL)] - [1 - PHENYL-1-HYD-ROXY-(2)-PROPYL]-AMINE.

Applicant: DEUTSCHE GOLD-UND SILBFR-SCHEID-EANSTALT VORMALS ROESSLER, WEISSFRAUEN-STRASSE 9, 6000 FRANKFURT 1, FEDERAL REPUBLIC OF GERMANY.

Inventors: DR. AXEL KLEEMANN, REINHOLD KIEL, AND INGOMAR NUBERT.

Application No. 1725/Cal/77 filed December 13, 1977.

Convention date January 12, 1977/(01120/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcu'ta.

#### 4 Claims.

 $\Lambda$  process for the production of a compound of the formula  $\boldsymbol{T}_{\boldsymbol{r}}$ 

and the acid salts thereof which comprises condensing thien-(3)-yllithium with a  $\beta$ -halogen propionic acid alkyl ester corresponding to the formula II.

in which R is a lower saturated aliphatic alkyl group having I to 6 carbon atoms at Hal is chlorine, bromine or iodine, in an insert medium at a temperature below —50 degree C, after which the resulting compound corresponding to the formula III.

in which Hal is chlorine, bromine or iodine, is reacted with 2-amino-1-hydroxy-1-phenylopropane in an insert medium in the presence of a basic compound, the acid salts being prepared by methods known per se.

Comp. Speen. 19 Pages.

Drg. 2 sheets.

CLASS 39K.

147083.

Int. Cl.-C01b 21/22.

A PROCESS FOR THE PREPARATION OF NITROUS

OXIDE.

Applicant: EOTVOS LORAND TUDOMANYEGYETEM, OF 1-3, EGYETEM TER. BUDAPEST V, HUNGARY.

Inventors: DR. ZOLTAN SZABO, DR. JENO TROMP-LI:R AND DR. ERZSEBET HOLLOS NEE RAKOSINYI.

Application No. 1788/Cal/77 filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutto.

#### 9 Claims. No drawings,

A process for the manufacture of nitrous oxide by the thermal decomposition of ammonium nitrate in a multi-component salt solution or salt melt which process comprises mixing ammonium nitrate with a multi-component concentrated salt such as herein described in a weight ratio of the salt to the ammonium nitrate of at least 5:1 and holding the mixture at 200—240 degree C.

Comp. Specn. 17 Pages.

Drg. Nil.

CLASS 107H.

147084.

Int. CI.-F02m 39/00, 57/00, 59/00.

IMPROVEMENTS IN OR RELATING TO A SUCKING AND FORCING PUMP.

Applicant: SOCIETE D'ETUDES DE MACHINES THERMIQUES—S.E.M.T. OF 2, QUAI DE SEINE, 93202, SAINT DENIS, FRANCE.

Inventor: DIRK BASTENHOF.

Application No. 262/Del/77 filed September 28, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch.

#### 7 Claims.

A sucking and forcing pump, of the type comprising a cylindrical plunger reciprocating lengitudinally within the bore of 1 barrel, the said plunger being provided on its external surfice with a groove at least one edge of which is substantially helical to define the effective delivery stroke of the said plunger by adjusting its angular position about its own longitudinal axis, characterized in that the said barel is additionally provided with at least one group of several mutually close, substantially transverse and preferably parallel ducts for the supply and the discharge of the fluid at each cycle of operation of the pump and in that a means of a least mementary communication is provided between at least two of the said mutually close ducts, in promixity to their orifices opening into the said bore.

Comp. Specn. 12 Pages. Drg. 1 Sheet.

CLASS 131Ba & Ba.

147085.

Int. Cl. B25d 9/00, 15/00.

#### PORTABLE DRILLING MACHINE.

Applicant: MOSKOVSKY GORNY INSTITUT, LENIN-SKY PROSPEKT, 6, MOSCOW, USSR AND GOSUDARS-TVENNY PROEKTNO-KONSTRUKTORSKY I EXPERIMENTALNY INSTITUT P.O. OBOGATITELNOMU OBORUDOVANIJU "GIPROMASHOBOGASCHENIE", GORNÖRUDNAYA CHAST, OBLAST, SOLNECHNOGORSKY RAION, POVAROVO, MOSKOVSKAYA, USSR.

Inventors: MIKHAIL SIDOROVICH VARICH, VLADI-MIR KONSTANTINOVICH GRIGORIEV, VIKTOR DMI-TRIEVICH CHUGUNOV, ALEXEI PAVLOVICH DMI-TRIEV, BORIS NIKOLAEVICH KUTUZOV, SIRENEVY BULVAR, RUDOLF GENRIKHOVICH SHMIDT, ISAAK EMMANUILOVICH NARINSKY, ALEXANDER ADOLFOVICH VUKKERT, YAKOV ISAAKOVICY SHNAPIR, VIKTOR ALEXEEVICH SOLDATOV, VLADIMIR ILICH ANTOSHENKOV AND PAVEL IVANOVICH DEEV.

Application No. 1124/Cal/77 fi,led July 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

A portable drilling machine comprising: a crawler vehicle, a derrick installed on said vehicle and having longitudinal racks, a vertical traverse mechanism mounted on said longitudinal racks, a traverse mounted in said vertical traverse mechanism, a means designed for rotation of drill pipe positioned longitudinally in said derrick in alignment with drilling axis and mounted in said vertical traverse mechanism, a pull-down unit connected by a flexible transmission with said vertical traverse mechanism and said traverse to provide, during a working run of said vertical traverse to provide, during a working run of said vertical traverse along said longitudinal racks, feeding said rill pipe to bottom of a hole and, during an idle run of said vertical traverse along said longitudinal racks, feeding said drill pipe and a clamp mounted at base of said derrick and designed for gripping said drill pipe being designed as a power-driven rotation of said drill pipe being designed as a power-driven rotating chuck mounted in said traverse, gripping said drill pipe during drilling operation, and making, being unclenched, an idle run, together with said vertical traverse mechanism, along said drill pipe to regrip said drill pipe while sald drill pipe is held by said clamp.

Comp. Speen, 20 Pages.

Drg. 5 Sheets.

CLASS 32Fab. Int, Cl.-C07c 63/00. 147086.

CONTINUOUS PROCESS FOR THE REARRANGEMENT OF ALKALI METAL SALTS OF CARBOXYLIC ACIDS.

Applicant: RHONE-POULENC INDUSTRIES, OF 22, AVENUE MONTAIGNE, 75 PARIS 8EME, FRANCE.

Inventors: JEAN-CLAUDE CHOULET AND JACQUES NOUVEL.

Application No. 420/Del/77 filed November 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 13 Claims. No drawings,

In a continuous process for rearrangement of any alkali metal salt of an aromatic carboxylic acid of the kind such as herein described under pressure of carbon dioxide to form an alkali metal salt of a different aromatic carboxylic acid of the kind such as herein described by continuously introducing the alkali metal salt of the aromatic carboxylic acid in the form of a suspension in an inert liquid organic diluent of the kind such as herein defined into a known rearrangement reactor by way of a feed line comprising feeding means and means for heating the suspension prior to its introduction into the reactor, the improvement which comprises continuously introducing at least part of the total carbon dioxide fed to the reactor into a portion of the feed line for the alkali metal salt of the aromatic carboxylic acid where the temperature is 70° to less than 350°C, the partial pressure of the carbon dioxide in both the feed line and the reactor being at least 20 bars and the rearrangement reaction being carried out in the reactor at 350° to 500°C.

Comp. Specn. 19 Pages.

Drgs. Nil.

CLASS: 128 K

149087.

I.C. A 61 b 17/00.

"AN IMPROVEMENT IN THE OPHTHALMIC SURGICAL INSTRUMENT."

Applicant & Inventor: HOMI RUSTOMII VAKIL MAISON BELVEDERE, FLAT NO. 27, MAHARSHI KARVE ROAD, BOMBAY-400 020,

Application No. 134/BOM/1977. Filed on 12-4-1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

## 2 Claims.

An improvement in the ophthalmic surgical instrument covered under Indian Patent No. 139858, which comprises an aerosol can containing the liquid refrigerant diffuorodichloromethane, known also as "FREON 12", and a pair of flexible tubes, one narrower (inner tube) and longer than the other, the narrower tube being inserted in the wider one (outer tube) and being freely movable in it, the aerosol can having a nozzle-adapter with a central projection having discharge pipe, the inner tube being fixed leak-proof on the discharge pipe, the outer tube filted on the projection, the other end of the inner tube going deep into the tubular element of the said surgical instrument and the other end of the outer tube being adapted to go air-tight into the mouth of the said tubular element such that upon the nozzle-adapter being pressed, the said liquid refrigerant being sprayed via the inner tube into the said tubular element and the evaporated said refrigerant passing along the annular space between the two tubes and then escaping through the holes made in the outer tube along its length.

Complete specification—4 pages; Drawing—1 sheet.

CLASS 77c. Int. cl C 11 e 3/12.

147088.

A PROCESS FOR THE PRODUCTION OF MODIFIED VEGETABLE FAT.

Applicant: CADBURY INDIA LIMITED CADBURY HOUSE, BHULABHAI DESAI ROAD, BOMBAY-400 026, MAHARASHTRA, INDIA.

Inventors: 1. SHRI RAGHURAM DEVIDAS SHENOY. 2. SHRI ANANTHRAM GANAPATHY.

Application No. 393/BOM/76, Filed November 10, 1976. Comp. Specn. Left. 14-11-77.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

#### 13 Claims.

A process for the production of modified vegetable fat which comprises partially hydrogenating refined, bleached and decodorised vegetable fat in the presence of a conventional metal catalyst until the iodine value of the fact reaches the range of 36 to 39 to obtain a hardened fat and subjecting the so hardened fat to hydraulic pressures within a range of 200-700 p.s.b. under a controlled temperature range of 20°C to 35°C in order to remove entrapped liquid fraction.

Provisional specn. pages 8, Drawings 1, sheet.

Complete specn. pages 10, Drawings 4 sheets.

CLASS 127 G & I.

147089.

I.C. F16h 1/34.

#### HARMONIC DRIVE SYSTEM.

Applicant: TATA ENGINEFRING AND LOCOMOTIVE COMPANY LIMITED BOMBAY HOUSE, HOMI MODI STREET, FORT, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventor: VIJENDRA KUMAR MITIAL,

Application No. 196/Bom/78. Filed on 1st July, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

#### 6 Claims.

A harmonic drive system comprising a wave generator comprising an elliptical cam press fitted externally with roller type bearing which is thin sectioned and flexible so that it follows the profile of the said cam; a flexible spline comprising a thin walled cylindrical body carrying external serrations or teeth and mounted concentrically over the said wave generator and a circular spline comprising a ring having internal serrations or teeth which mesh with the external teeth of the said flexible spline along the major axis of the said elliptical cam.

Complete specn. 9 pages, drawings 3 sheets.

CLASS: 40-C, 77-C, Int, Cl. C. 11C 3/12.

147090.

"HYDROGENATION USING SILICA/NICKEL CATA-

Applicant: HRNDUSTAN LEVER LIMITED, Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20, Maharashtra, India.

Inventor: (1) Shri Shrinath Sheshgiri Kalbag, (2) Shri Prabir Kumar Basu & (3) Shri Naganathan Viswanath Bringi

Application No. 141/BOM/1978. Filed May 8, 1978. (Divisional of 240/BOM/75; filed on 5-9-1975).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

## 4 Claims.

A method of catalytically hydrogenating unsaturated organic materials such as herein disclosed wherein said unsaturated organic material is contacted with hydrogen in the presence of an ashed rice husk derived silica supported nickel catalyst.

Complete specification pages-4.

#### PATENTS SEALED

140657 143175 143533 144223 144260 144438 145197 145954 145988 146040 146075 146078 146079 146080 146167 146183

#### RENEWAL FEES PAID

95899 95914 95940 95962 95963 95997 95998 96099 96172 96220 96356 96655 96757 101848 101890 101897 105985 107419 107520 107535 107639 107644 107677 112475 112631 112826 112910 113023 113027 113286 113830 114164 115081 117889 117904 117981 118004 118025 118123 118234 118248 120773 123331 123486 123496 123580 123670 123677 123705 123820 123821 123847 123993 126074 128679 128683 128723 128753 128799 129420 133079 133103 133127 133129 133137 133139 133160 133325 133328 133351 133378 133843 133984 135672 135880 135943 136740 136744 136981 137099 137472 137572 138051 138185 138214 138215 138499 138558 138725

139152 139293 139549 139735 139967 140133 140222 140258 140421 140589 140780 140891 141037 141038 141039 141310 141440 141461 141771 141958 141929 142167 142573 142574 142728 142913 143126 143154 143184 143191 143374 143412 143431 143447 143561 143571 143710 144151 144212 144221 144222 144389 144435 144449 144514 144527 144534 144540 144576 144602 144645 144712 144756 144787 144889 144979 145130 145376 145553

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 or the Patents Act, 1970 for the restoration of Patent No. 1213/6 granted to Valsicol Chemical Corporation for an invention relating to "(thio) phosphoric and (thio) phosphonic and phosphonic acid derivatives, process for the manufacture thereof and insecticidal compositions containing them". The patent ceased on the 16th May 1979 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8-9-1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec.' 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 122038 granted to Velsicol Chemical Corporation for an invention relating to "esters o 12-alkylamino benzydrol and derivatives thereof, their preparation and insecticidal and acaricidal compositions containing them". The patent ceased on the 28th June 1979 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24-6-1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bosc Road, Calcuita-17 on or before the 27th Dec.' 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases, his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 127071 granted to Davy Powergas Incorporated for an invention relating to "process for removing sulpher dioxide from a gas containing same". The patent ceased on the 15th June 1978 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 19-5-1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec.' 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 131158 granted to Asok Ranjan Das Gupta for an invention relating to "and improved design of beahive coke ovens for the manufacture of matallurgical grade hard coke". The patent ceased on the 28-4-1978 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III Section 2 dated the 14-4-1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec. 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 19/0 for the restoration of Patent No. 131645 granted to The Udylne Corporation for an invention relating to "a battery employing halogen hydrad as an oxident". The patent ceased on the 8th June 19/8 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7-7-79.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec. 19/9 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 or the Patents Act, 1970 for the restoration of Patent No. 132166 granted to Surendranath Nambiar for an invention relating to "alternate impellar rotary engine". The patent ceased on the 15th April 1978 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 19-5-1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec.' 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filled with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135476 granted to The Udylite Corporation for an invention relating to "process for discharging the battery". The patent ceased on the 8th June 1978 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7-7-1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec.' 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137103 granted to LABAZ for an invention relating to "process for preparing Benzofuran derivatives". The patent ceased on the 28th Aug. 1978 due to non-payment of renewal fces within the prescribed time and the ceasation of the patent was notified in the Gazette of India. Part III, Section 2 dated the 8-9-79.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec.' 1979 under Rule 69 of the Patents Rules, 1972. A written

statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137878 granted to Federal Mogul Corporation for an invention relating to "a bearing assembly". The patent ceased on the 15th June 1978 due to non-payment of renewal fees within the prescribed time and the ceasation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8-9-1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 27th Dec.' 19/9 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

- Class 1. No 148042. Rama Prasad Datta, of 19, Serpentine Lane, Calcutta-14, Indian. "Automatic Clock Balance". January 15, 1979.
- Class 1. No. 148048. Narottam Vrajlal Sheth, an Indian of 146A, Jain Society, Sion, Bombay-400022, Maharashtra, India, "Plunger Cam Roller". January 27, 1979.
- Class 1. No. 148051. Regal Industrial Corporation a Registered Partnership firm of Room No. 122, Bharat Industrial Estate, 1st floor, Tokersi Jivraj Road, Sewri, Bombay-400015, Maharashtra, "Briefcase Locks". January 29, 1979.
- Class 1. No. 148062. Balotha Traders, an Indian Partnership Firm, of 2040, C.S.T. Road, Rodrisk Industrial Estate, Opp: Municipal Market, Kurla, Bombay-400070, Maharashtra "Tank of Stove". February 3, 1979.
- Class 3. No. 148040. Milan Supari Company Private Limited, an Indian Company of 155-157, Sheriff Devji Street, Bombay-400003, State of Maharashtra, India, "Containers". January 25, 1979.
- Class 3. No. 148041. Milan Supari Company Private Limited, an Indian Company of 155-157, Sheriff Devji Street, Bombay-400003, State of Maharashtra, India. "Containers". January 25, 1979.
- Class 3. No. 148044, Prabh Plastic Industries, an Indian Proprietory Concern of House No. 8910, Naya Mohalla, Pul Bangash, Delhi-110006, whose proprietor is Jagdeep Kumar Nanda, "Toy". January 27, 1979.
- Class 3, No. 148059. Biswanath Plastic Works, an Indian Partnership firm of 33, Canning Street, Calcutta-700001, West Bengal. "Bangles". February 2, 1979.
- Class 3. No. 148061. Nishid Nawab & Co., an Indian Partnership Firm, of 2091, Nagji Bhuder's Street, Mandvi Street, Ahmedabad-380001 (Gujarat State), India. "Plastic Textile Pickers". February 2, 1979.
- Class 3. No. 147982, Om Parkash & Sons., an Indian Partnership Firm of 1421-53/9, Gate Hakkiman, Amritsar-143001, Punjab State. "Pen". January 20, 1979

S. VEDARAMAN, Controller General of Patents, Designs and Trade Marks.